

Title (en)

ULTRA-BRIGHT LIGHT ENGINE FOR PROJECTION DISPLAYS

Title (de)

ULTRAHELLE LICHT-MASCHINE FÜR PROJEKTIONSANZEIGEN

Title (fr)

MOTEUR DE LUMIERE ULTRA-BRILLANTE POUR AFFICHAGES DE PROJECTION

Publication

EP 1877841 A4 20110727 (EN)

Application

EP 06721859 A 20060427

Priority

- CA 2006000686 W 20060427
- US 11531105 A 20050427

Abstract (en)

[origin: WO2006114002A1] A projector incorporating a prism and a plurality of light valves for modulating light that passes through the prism, wherein the color splitting-converging prism includes a dichroic coating having multiple layers of high and low index of refraction and 1/4 wavelenth thickness at each desired angle of incidence for reducing dichoric shift and thereby minimizing light loss.

IPC 8 full level

G02B 1/10 (2006.01); **G02B 1/00** (2006.01); **G02B 5/04** (2006.01); **G02B 5/28** (2006.01); **G02B 27/18** (2006.01)

CPC (source: EP US)

G02B 5/285 (2013.01 - EP US); **G02B 27/1026** (2013.01 - EP US); **G02B 27/142** (2013.01 - EP US); **G02B 27/145** (2013.01 - EP US); **G03B 21/005** (2013.01 - EP US); **G03B 33/12** (2013.01 - EP US); **H04N 5/74** (2013.01 - EP US); **H04N 9/3105** (2013.01 - EP US); **H04N 9/315** (2013.01 - EP US)

Citation (search report)

- [I] US 5914817 A 19990622 - BROWNING STEPHEN D [US], et al
- See references of WO 2006114002A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006114002 A1 20061102; EP 1877841 A1 20080116; EP 1877841 A4 20110727; EP 1877841 B1 20141105; JP 2008539453 A 20081113; US 2006245069 A1 20061102; US 2007285796 A1 20071213; US 2008143974 A1 20080619; US 7230768 B2 20070612; US 7362506 B2 20080422; US 7508591 B2 20090324

DOCDB simple family (application)

CA 2006000686 W 20060427; EP 06721859 A 20060427; JP 2008508042 A 20060427; US 11531105 A 20050427; US 4116008 A 20080303; US 74170007 A 20070427